

IN THE ABSTRACT:

ABSTRACT OF THE DISCLOSURE

~~The invention relates to a~~ A diffractive grating element ~~is arranged to be~~ divided into at least two different grating regions (~~BG<sub>left</sub>, BG<sub>right</sub>, MBG<sub>left</sub>, MBG<sub>right</sub>~~) each having different diffractive properties and arranged on opposite sides with respect to the transition point (~~TP~~) to form a splitted grating structure (~~SG~~). The diffractions generated by ~~said~~ the at least two different grating regions are arranged to mutually compensate for the variation in the input angle ( $\theta$ ) of the incident light wave (~~W~~) to the total diffraction efficiency of the at least one diffracted light wave that is arranged to propagate within ~~said~~ the substrate.

~~Fig. 7~~